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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/654,820	09/05/2000	Teisuke Maekawa	388-001639	8374
7590 02/25/2004			EXAMINER	
Russell D Orkin			ELVE, MARIA ALEXANDRA	
700 Koppers Building 436 Seventh Avenue			ART UNIT	PAPER NUMBER
Pittsburgh, PA 15219-1818			1725	

DATE MAILED: 02/25/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	- ((/ \
•	09/654,820	MAEKAWA, TEISUKE	
Office Action Summary	Examiner	Art Unit	
	M. Alexandra Elve	1725	
The MAILING DATE of this communication	n appears on the cover sheet wi	th the correspondence address	
Period for Reply	AFDLV IC CET TO EVDIDE 2 M	ONTH(S) FROM	
A SHORTENED STATUTORY PERIOD FOR R THE MAILING DATE OF THIS COMMUNICATI - Extensions of time may be available under the provisions of 37 C after SIX (6) MONTHS from the mailing date of this communicati - If the period for reply specified above is less than thirty (30) days - If NO period for reply is specified above, the maximum statutory - Failure to reply within the set or extended period for reply will, by Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	ION. FR 1.136(a). In no event, however, may a ron. a reply within the statutory minimum of third period will apply and will expire SIX (6) MON statute, cause the application to become AB	eply be timely filed y (30) days will be considered timely. THS from the mailing date of this communication. JANDONED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on	·		
— • · · · · · · · · · · · · · · · · · ·	This action is non-final.		
3) Since this application is in condition for a			
closed in accordance with the practice ur	nder <i>Ex parte Quayle</i> , 1935 C.E), 11, 453 O.G. 213.	
Disposition of Claims			
4) Claim(s) 1-7 is/are pending in the application	ition.		
4a) Of the above claim(s) is/are wi	thdrawn from consideration.		
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>1</u> is/are rejected.			
7)⊠ Claim(s) <u>2-7</u> is/are objected to.			
8) Claim(s) are subject to restriction	and/or election requirement.		
Application Papers			
9) The specification is objected to by the Ex			
10)⊠ The drawing(s) filed on <u>05 September 20</u>			
Applicant may not request that any objection			
Replacement drawing sheet(s) including the	correction is required if the drawing	g(s) is objected to. See 37 CFR 1.121(d)).
11) The oath or declaration is objected to by	the Examiner. Note the attache	d Office Action or form PTO-152.	
Priority under 35 U.S.C. § 119			
12)⊠ Acknowledgment is made of a claim for f	oreign priority under 35 U.S.C.	§ 119(a)-(d) or (f).	
a)⊠ All b)⊡ Some * c)⊡ None of:			
 Certified copies of the priority doc 	uments have been received.	•	
Certified copies of the priority doc			
Copies of the certified copies of the		n received in this National Stage	
application from the International			
* See the attached detailed Office action fo	r a list of the certified copies no	t received.	
Attachment(s)			
Attachment(s) 1) Notice of References Cited (PTO-892)		Summary (PTO-413)	
Notice of Draftsperson's Patent Drawing Review (PTO-S) Information Disclosure Statement(s) (PTO-1449 or PTO Paper No(s)/Mail Date	I	r(s)/Mail Date Informal Patent Application (PTO-152)	

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Funk (US Pat. 4,265,088).

Funk discloses an apparatus for treating exhaust gas in which the gas is sublimed or condensed and then expanded in order to drive a turbine and produce shaft work. Coupled to the output shaft of the turbine is a power generator. The discharge hot exhaust gases contain such components as nitrogen, carbon dioxide, sulfur dioxide,

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hydrogen chloride, hydrogen sulphide, carbon monoxide, nitrogen oxide, hydrogen cyanide and hydrocarbon components. (abstract, col. 3, lines 35-48, col. 5, lines 35-45, col. 6, lines 53-58)

Claim 1 is rejected under 35 U.S.C. 102(e) as being anticipated by lijima (US Pat. 6,298,651).

lijima discloses an apparatus for power generation that uses distillate (condensed from vapor) of fuels such as coal, heavy oil and waste plastic. The distillate is supplied to a gas turbine, which generates electrical power. Examples of gas turbine fuels are methane, ethane, ethylene, propane, propene, butane, butene, hexane, heptane, methanol, ethanol, propanol, butanol, dimethyl ether, diethyl ether, LNG, LPG, naphtha, gasoline, kerosene, light oil, heavy oil decomposition component, by-product gases (which contain carbon monoxide and hydrogen), natural gas, coal bed methane, landfill gas, blast furnace gas, coke oven gas, converter gas and so forth. Additionally, the ratio of fuel contents of an obtained gas depends upon the air and oxygen used for oxidation. (abstract, col. 13, lines 30-60, col. 16, lines 5-44, col. 20, lines 36-63, col. 23, lines 64-67, col. 24, lines 1-13, col. 26, lines 38-42)

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Allowable Subject Matter

Claims 2-7 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: the prior art does not teach an exhaust gas treatment system using organic condensed exhaust gas and having (a) an absorbing-desorbing device or (b) a condensing device providing a concentration rate of 30 times or more organic component in the condensed exhaust gas.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See US PTO-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to M. Alexandra Elve whose telephone number is 571-272-1173. The examiner can normally be reached on 6:30-3:00 Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Dunn can be reached on 571-272-1171. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

February 20, 2004.

M. ALEXANDRA ELVE PRIMARY EXAMINER